



STATE OF MISSISSIPPI
RONNIE MUSGROVE, GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

June 30, 2003

Ms. Beverly Banister, Director
Air, Pesticides, & Toxics Management Division,
Region 4
U.S. Environmental Protection Agency
61 Forsyth Street
Atlanta, GA 30303-8960

Dear Ms. Banister:

Re: Mississippi's Submittal of the First Progress Report for the
Memphis MSA Early Action Compact for Ground-level
Ozone

In accordance with Mississippi's and DeSoto County's commitments to support the Memphis Metropolitan Statistical Area (MSA) Early Action Compact and our commitment to participate in the stakeholder process, we are submitting a progress report for the Mississippi portion of the Memphis MSA Early Action Compact. We have enclosed the June 2003 Progress Report.

The Mississippi Department of Environmental Quality in collaboration with DeSoto County has conducted numerous stakeholder meetings. We are committed to the stakeholder process in the evaluation of potential control measures in DeSoto County.

If you have any questions, please advise.

Sincerely,

Dwight K. Wylie, P.E.
Chief, Air Division

Enclosures

cc (w/enclosure): Yvonne Madlock, Director, Memphis/Shelby County Health Department
Diane Arnst, Manager, Pollution Control, Memphis/Shelby County Health Department
Barry R. Stephens, P.E., Technical Secretary, Tennessee Air Pollution Control Board
Becky Keogh, Deputy Director, Arkansas Department of Environmental Quality
Keith Michaels, Chief, Air Division, Arkansas Department of Environmental Quality
J. Carter Gray, Administrator, Memphis/Shelby County Department of Regional Services
Jim McDougal, DeSoto County Planning Commission
Eddie Brawley, P.E., MPO Study Director, West Memphis MPO
Kay Prince, Chief, Air Planning Branch, U.S.EPA, Region 4

June 2003 Progress Report for DeSoto County, Mississippi

For the Memphis Metropolitan Statistical Area Early Action Compact for Ground-Level Ozone

1. Stakeholder Input for the List of Local Control Measures

The progress report includes the previously submitted list of potential DeSoto County ground-level ozone control measures for evaluation in DeSoto County and the Memphis MSA modeling. This was initially submitted on June 16, 2003.

2. Documentation of the Local Stakeholder Process

The Mississippi Department of Environmental Quality (MDEQ) in collaboration with DeSoto County has conducted numerous stakeholder meetings to develop the enclosed list of potential control measures for DeSoto County. The local stakeholder input process for Mississippi and DeSoto County has been documented and stakeholder comments have been reflected in the list of potential ground-level ozone control measures being considered for evaluation.

3. Description of the Local Stakeholder Process

- a. Primary Local Organization responsible for EAC Activities and lead contacts— In Mississippi, the State of Mississippi is the responsible party for all air regulatory matters. The Mississippi Department of Environmental Quality (MDEQ) is the primary organization coordinating the effort for Mississippi. Dwight Wylie, Mississippi Department of Environmental Quality, 101 W. Capitol, Jackson, MS 39201, is the primary Mississippi organizational contact. The person heading up the local effort in DeSoto County is Jim McDougal, DeSoto County Planning, 365 Losher, Hernando, MS 38635.
- b. What meetings were held and what level of public participation was there?
 - i. Which stakeholders were invited and the level of participation?

See the listed below entitled, "Memphis MSA/DeSoto County Early Action Compact (EAC) Activities". Copies of transcripts (for applicable meetings), handouts from meetings and comments are available upon request.
 - ii. When/where were the meetings held?

See the attached list entitled, "Memphis MSA/DeSoto County Early Action Compact (EAC) Activities"
 - iii. How were the meetings advertised? How were invitations issued?

Interested parties were invited. Invitations were sent out via U.S. Postal Service, e-mail, facsimile transmission and by phone calls. Numerous articles appeared in local newspapers. Copies of the newspaper articles are

available upon request. The list of attendees has been included in the documentation of each meeting. A list of the invitees is available upon request.

- c. What is the website for the local EAC program (if there is one)?

There is no website for DeSoto County. There is a website for the Arkansas-Tennessee-Mississippi Ozone Study, which is the modeling used for the three states, in the Memphis MSA EAC. <http://atmos.saintl.com>

- d. Description of outreach efforts.

There are no outreach efforts other than inviting interested parties (e.g., local officials, private industry, et cetera) to the stakeholder process. This has been the sole method of outreach in DeSoto County. Copies of transcripts (for applicable meetings), handouts from meetings or comments are available upon request.

4. Emissions Inventories

In conjunction with the States of Arkansas and Tennessee, a 1999 inventory was developed for the first episode of the ATMOS modeling. In addition, an updated inventory for 2001 is under development for a second episode of ATMOS modeling. This inventory will use current data where available (e.g. point and onroad mobile sources) and grow the emissions for other source categories. The 2001 inventory is expected to be completed by the end of June 2003. A future year inventory for 2007 has also been developed in conjunction with the ATMOS modeling. This inventory is also being updated for the second modeling episode.

The largest issues are uncertainty, particularly with regard to area and nonroad mobile sources, and attempting to develop future year inventories.

5. Photochemical Modeling

- a. Has a model been selected?

The UAM-V model is being used. Mississippi has been actively collaborating with Arkansas and Tennessee (including local air pollution control agencies in Tennessee) in the Arkansas, Tennessee, and Mississippi Ozone Study (ATMOS). The ATMOS modeling analysis is designed to provide technical information relevant to attainment of the 8-hour National Ambient Air Quality Standard (NAAQS) for ozone in the Memphis and DeSoto County area as well as other areas in Tennessee. Systems Application International is the contractor performing the photochemical modeling analysis.

- b. What is the base year for the ozone episode selected?

1999 is the base year for the first episode that has already been modeled. A second episode in 2001 has been chosen for additional modeling.

- c. What is the status of the meteorological model development?

The meteorological modeling has been completed for both episodes selected thus far.

- d. What is the status of the modeling activities?

As stated in (b) above, modeling of one ozone episode has been completed. Modeling preparation work is currently underway for the second episode.

- e. What issues are being encountered, i.e., funding, model meeting performance criteria, etc.?

The ATMOS project is being funded by contributions from the States of Mississippi, Arkansas, Tennessee and local air pollution agencies in Tennessee. Modeling performance criteria is being met.

6. Geographic Area for Which Control Measures Are Expected to Be Implemented

In Mississippi, the geographic areas for which potential control measures have been defined are DeSoto County and possibly in adjacent counties. There are few sources to be controlled in DeSoto County and even fewer in adjacent counties and the associated reductions are limited.

7. Resource Constraints

Time constraints exist both internally for DEQ staff time and externally for point sources needed to install and operate necessary emissions controls for the Early Action Compact early emissions reductions.

Memphis MSA/DeSoto County Early Action Compact (EAC) Activities

Meeting Summary List

December 2002	DeSoto County and MDEQ agreed to participate in EAC after two (2) meetings between MDEQ staff and the DeSoto County Board of Supervisors
March 3-4, 2003	MDEQ Staff attended the Early Action Compact (EAC) Meeting hosted by Tennessee in Nashville, TN
March 25, 2003	MDEQ EAC Meeting with EPA Region IV in Atlanta, Georgia
April 23, 2003, 1:00 p.m.	MDEQ and DeSoto County Elected and Governmental Officials Meeting in Hernando, MS, with regard to the EAC
April 23, 2003, 2:30 p.m.	DeSoto County Stakeholders' Meeting, Hernando, MS
April 28, 2003, 10:00 a.m.	Memphis Early Action Compact Conference Call with MDEQ, DeSoto County and the other Memphis MSA EAC Participants
May 5, 2003	MDEQ Meeting with MDOT in Jackson, MS, with regard to DeSoto County/Memphis MSA Early Action Compact (EAC)
May 9, 2003	DeSoto County Stakeholder follow-up meeting in Hernando, MS
May 12, 2003	MDEQ Meeting with the Mississippi Forestry Commission in Jackson, MS, with regard to DeSoto County/Memphis MSA Early Action Compact (EAC)
May 13, 2003	MDEQ participated in the MDOT-hosted Statewide MPO Meeting at MDOT in Jackson, MS
May 14, 2003	MDEQ and DeSoto County participated in the Memphis-hosted EAC Stakeholder meeting in Memphis
June 4, 2003	MDEQ participated in the DeSoto County Board of Supervisors' Meeting
June 9, 2003, 1:30 p.m.	DeSoto County stakeholder follow-up meeting in Hernando, MS
June 16, 2003	Submission by MDEQ of list of potential control measures for evaluation in DeSoto County and Memphis MSA modeling to the EPA—DeSoto County submitted the same list in concurrence

Detailed List

Title of Meeting: MDEQ Staff attended the Early Action Compact (EAC) Meeting hosted by Tennessee in Nashville, TN

Date: March 3-4, 2003

Time:

Location: Nashville, TN

MDEQ Attendees: Connie Simmons

Other Attendees:

Meeting Summary: MDEQ staff attended the Early Action Compact Update meeting hosted by the State of Tennessee in Nashville, Tennessee on March 3-4, 2003. Topics discussed were EAC overview and update; participants' expectations; air quality data; EPA guidance for designating nonattainment area; State Implementation Plan process and emission budgets; Emission profiles of EAC counties; Transportation Control Measures; and EAC photochemical modeling and needed emission reductions.

Title of Meeting: MDEQ EAC Meeting with EPA Region IV (after the workshop concluded)

Date: March 25, 2003

Time: 1:30 p.m.

Location: Atlanta, Georgia

MDEQ Attendees: Dwight Wylie, Connie Simmons, Elliott Bickerstaff, and Mary Evelyn Barnes

EPA Region IV Attendees: Kay Prince, Dick Schutt, Karen Borel, Michele Notarianni, Heidi LeSane

Meeting Summary: The EAC for DeSoto County, MS was discussed in the meeting. MDEQ asked about the content that would be necessary for the June 16, 2003, reduction strategies submittal for DeSoto County. EPA suggested that MDEQ use South Carolina and Texas as models for the reduction strategies list. The MS Gulf Coast ozone attainment data were discussed for the years 2000-2002 and various outcomes for the ozone seasons of 2003.

Title of Meeting: MDEQ and DeSoto County Elected and Governmental Officials Meeting in Hernando, MS, with regard to the EAC

Date: April 23, 2003

Time: 1:00 p.m.

Location: DeSoto County Administration Building, 365 Losher Street, Hernando, MS

MDEQ Attendees: Dwight Wylie, Connie Simmons, Elliott Bickerstaff, and Mary Evelyn Barnes

Other Attendees: Merritt Powell (DeSoto County, MS), Darrell Morgan (Texas Gas Transmission), Bill Russell, Mike Thomas (Horn Lake, MS), Wanda Jennings, Ed Gales, Gene Thach, Dreher Harris (MDOT), Ronnie Stroble, Warren Page (Entergy), Sam Rikard, Elton Holloway (MDOT), B.J. Page (City of Olive Branch, MS), Bill Geeslin, Todd Nichols, Jason Smiley, Michael Garriga, Steve Whittlesey (Brinkmann), Gerald Clifton, Andy Swims (DeSoto County, MS), (First Name) Jewell, Tommy Lewis, Kerry Roby, Mitch Turner (MDOT)

Meeting Summary: This meeting was to brief the elected officials of DeSoto County (e.g., majors, board of supervisors, et cetera) on the ground-level ozone attainment status and typical ozone reduction strategies used in various areas of the country for reduction of ground-level ozone with regard to participation in the Memphis MSA Ozone EAC. Mr. Wylie gave a general discussion of ground-level ozone and regulatory requirements. In addition to discussion of the ground-level ozone issues, Mr. Wylie presented examples of emissions reductions strategies. Mr. Wylie asked for comments or suggestions on potential reductions strategies for ground-level ozone in DeSoto County.

Transcript available upon request

Title of Meeting: DeSoto County Stakeholders' Meeting, Hernando, MS

Date: April 23, 2003

Time: 2:30 p.m.

Location: DeSoto County Administration Building, 365 Losher Street, Hernando, MS

MDEQ Attendees: Dwight Wylie, Connie Simmons, Elliott Bickerstaff, and Mary Evelyn Barnes

Other Attendees: Mike Rast (Weyerhaeuser), Mike Hill, Larry Young, Carter Gray (Memphis MPO), Warren Page (Entergy), Tom Eubank, Joey Judd, Nick Moore, Stan Smith, Eddie Sockhart, George Moore, Dreher Harris (MDOT), Steve Whittlesey (Brinkmann Corp.), Nicholas M. Reaves, Paul Andrews, S. Taylor, Mark Donehue, Steve Kriese, T. J. Leech, James Smith, Jim Bass, Bob Gregory, Johnnie M. Cheatham (Alcoa Extrusion), Shannon Switzer, Michael Ziegler, Nickee Allison, Jeff Huemmer

Meeting Summary: This was the initial meeting to brief the stakeholders of DeSoto County (e.g., industrial sources, commercial sources, et cetera) on the ground-level ozone attainment status and typical ozone reduction strategies used in various areas of the country for reduction in

ground-level ozone with regard to participation in the Memphis MSA Ozone EAC. Mr. Wylie gave a general discussion of ground-level ozone and regulatory requirements. In addition to discussion of the ground-level ozone issues, Mr. Wylie presented examples of emissions reductions strategies that could reduce ozone. In addition, Mr. Wylie asked for comments or suggestions on potential reductions strategies for ground-level ozone in DeSoto County.

Transcript available upon request

Title of Meeting: MDEQ Meeting with MDOT in Jackson, MS, with regard to DeSoto County/Memphis MSA Early Action Compact (EAC)

Date: May 5, 2003

Time: 1:30 p.m.

Location: MDOT Building, Main Office, Jackson, MS

MDEQ Attendees: Dwight Wylie, Elliott Bickerstaff, Keith Head, Jerry Beasley, and Mary Evelyn Barnes

MDOT and FHWA Attendees: Ray Balentine (MDOT), Marlin Collier (MDOT), Cecil Vick (FHWA), Scott Carson (FHWA), Chad Wallace (MDOT), Nelson Sellers (MDOT), Elton Holloway (MDOT), Harry Lee James (MDOT), Jocelyn Pritchett (MDOT), Joy Portera (MDOT), and Andy Hughes (FHWA)

Meeting Summary: The MDEQ held a stakeholder meeting for MDOT and presented the same information as at the DeSoto County Stakeholders' Meeting. MDEQ also discussed the types of activities that MDOT and their contractors could eliminate, reduce, or delay to help with ozone reduction. Open burning (including land clearing debris disposal) was one of these activities addressed at this meeting.

Title of Meeting: DeSoto County Early Action Compact (EAC) Stakeholders' Follow-up Meeting, Hernando, MS

Date: May 9, 2003

Time: 10:30 a.m.

Location: DeSoto County Administration Building, 365 Losher Street, Hernando, MS

MDEQ Attendees: Dwight Wylie, Elliott Bickerstaff, Keith Head, Jerry Beasley, and Mary Evelyn Barnes

Other Attendees: Jocelyn Pritchett (MDOT), Adam Johnson (MDOT), Maria Burnham (DeSoto Appeal), Tracy Huffman (Waggoner Engineering), Steve Whittlesey (Brinkmann Corporation), Clayton Orwig (RMT, Inc.), Andrew Beaven (E. R. Alley and Assoc., Inc.), George Moore (J. B. Hunt Transports), Bobby Chamberlin, Dreher Harris (MDOT), Denise Dingman (DeSoto County, MS), Carter Gray (Memphis MPO), Lois Minchew (Entergy), Jim McDougal (DeSoto County Planning), T. J. Leech (Leech and Assoc.)

Meeting Summary: The purpose of this meeting was to offer a forum for the stakeholders to ask

questions and provide comments after reviewing the draft list of potential ground-level ozone control measures for evaluation in DeSoto County in relation to the Memphis MSA EAC. It was also for the purpose of paring down or editing the list.

Transcript available upon request

Title of Meeting: MDEQ Meeting with the Mississippi Forestry Commission in Jackson, MS, with regard to DeSoto County/Memphis MSA Early Action Compact (EAC)

Date: May 12, 2003

Time: 1:15 p.m.

Location: MDEQ Building at 101 W. Capitol Street, Jackson, Mississippi

MDEQ Attendees: Dwight Wylie, Connie Simmons, Elliott Bickerstaff, Jerry Beasley, and Mary Evelyn Barnes

Mississippi Forestry Commission Attendees: Bill Lambert, Danny Bryant, and Ronnie Myers

Meeting Summary: The purpose of this meeting was to discuss control of open burning as it related to ozone reduction by the Forestry Commission for the DeSoto County jurisdiction. The issuance of burning permits was addressed with the Forestry Commission staff and the possibility of limiting open burning in DeSoto County on days that were ozone alert/action days.

Title of Meeting: MDEQ participated in the MDOT-hosted Statewide MPO Meeting at MDOT in Jackson, MS

Date: May 13, 2003

Time: 8:30 – 9:45 a.m.

Location: Training Center, MDOT Shop Complex, Jackson, Mississippi

MDEQ Attendees: Dwight Wylie, Connie Simmons, and Mary Evelyn Barnes

Other Attendees: Larry Smith (Jackson MPO), Al Brantley (MDOT), Elton Holloway (MDOT), Scott Carson (FHWA), Jim McDougal (DeSoto County Planning Commission, MS)

Meeting Summary: Mr. Wylie gave a presentation on the Early Action Compact for the quarterly MPO. Attendees from DeSoto County, the Mississippi Gulf Coast and other various MPOs in the State of Mississippi attended this meeting.

Title of Meeting: MDEQ participated in the DeSoto County Board of Supervisors' Meeting

Date: June 4, 2003

Time: 9:00 a.m.(regularly scheduled DeSoto County Board of Supervisors Meeting)

Location: DeSoto County Administration Building, 365 Losher Street, Hernando, MS

MDEQ Attendees: Dwight Wylie and Elliott Bickerstaff

Other Attendees: DeSoto County Board of Supervisors and Jim McDougal

Meeting Summary: The purpose of this meeting was to discuss the June 16, 2003, submittal of the list of potential ground-level ozone control measures for evaluation in DeSoto County and the Memphis MSA modeling to EPA and to get the DeSoto County Board of Supervisors' concurrence to proceed with the submittal to EPA and for the next DeSoto County Stakeholders' Meeting on June 9, 2003. (Reviewed the current list of strategies and gave concurrence to adopt the MDEQ list of potential emissions control measures.)

Title of Meeting: DeSoto County stakeholder follow-up meeting in Hernando, MS

Date: June 9, 2003

Time: 1:30 p.m.

Location: DeSoto County Administration Building, 365 Losher Street, Hernando, MS

MDEQ Attendees: Dwight Wylie, Connie Simmons, and Mary Evelyn Barnes

Other Attendees: Elton Holloway (MDOT), Charles Wait (Trunkline Gas), Don Allison (Sayle Oil Co.), Lois Minchew (Entergy), B. J. Page (City of Olive Branch, MS), Adam Johnson (MDOT), Jesse Stewart (MDOT), Danny Walker (MDOT), Brad Bandura (Quebecor World), Rino Dolbi (DeSoto Times), Rich McNeely (Quebecor World), Stan Smith (Weyerhaeuser), Geoff Wortley (Rexam), Matt Kelly (DEDC), Jim Flanagan (DeSoto Council), Johnnie Cheatham (Alcoa Extrusion), Steve Whittlesey (Brinkmann Corp.)

Meeting Summary: The purpose of this meeting was to discuss the June 16, 2003, submittal of the list of potential ground-level ozone control measures for evaluation in DeSoto County and the Memphis MSA modeling to EPA and to get feedback from the stakeholders prior to submission to the EPA. It was also for the purpose of receiving final comments and feedback prior to the preparation of the final list for submittal on June 16, 2003.



STATE OF MISSISSIPPI
DAVID RONALD MUSGROVE, GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

June 16, 2003

Mr. James I. Palmer, Jr
Regional Administrator, Region 4
U.S. Environmental Protection Agency
61 Forsyth Street
Atlanta, GA 30303-8960

Dear Mr. Palmer:

Re: **Memphis MSA Early Action Compact**

In accordance with Mississippi's and DeSoto County's commitments to support the Memphis Metropolitan Statistical Area (MSA) Early Action Compact and our commitment to participate in the stakeholder process, we are submitting a list of potential ground-level ozone control measures for evaluation in DeSoto County and the Memphis MSA modeling. The enclosed list of potential control measures has been developed through a stakeholder process. We have not yet seen a list of strategies and measures for the entire Memphis MSA. We understand that the West Memphis Metropolitan Planning Organization (MPO) has submitted a list of recommended strategy options for possible implementation in Crittenden County, Arkansas. In addition, we understand that Memphis/Shelby County has forwarded a list of potential strategies for Shelby County, Tennessee to the Tennessee Air Pollution Control Board. We know of no strategies for Fayette and Tipton Counties in Tennessee. We expect the list of strategies and measures for all of the areas in the MSA to be equivalent to our list. Our list is contingent on that.

Please note that we are not committing to implement any of these strategies at this time. We are considering them and we are prepared to evaluate the effectiveness of these strategies in reducing ground-level ozone in DeSoto County and the Memphis MSA.

The Mississippi Department of Environmental Quality in collaboration with DeSoto County has conducted numerous stakeholder meetings. We are committed to the stakeholder process in the evaluation of potential control measures in DeSoto County.

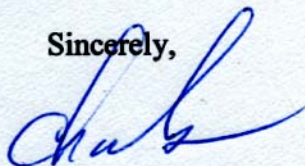
Mr. James I. Palmer, Jr.

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June 16, 2003

If you have any questions, please advise.

Sincerely,



Charles H. Chisolm
Executive Director

Enclosure

cc (w/enclosure): Yvonne Madlock, Director, Memphis/Shelby County Health Department
Diane Arnst, Manager, Pollution Control, Memphis/Shelby County Health Department
Barry R. Stephens, P.E., Technical Secretary, Tennessee Air Pollution Control Board
Becky Keogh, Deputy Director, Arkansas Department of Environmental Quality
Keith Michaels, Chief, Air Division, Arkansas Department of Environmental Quality
J. Carter Gray, Administrator, Memphis/Shelby County Department of Regional Services
Jim McDougal, DeSoto County Planning Commission
Eddie Brawley, P.E., MPO Study Director, West Memphis MPO
Beverly Banister, Director, Air, Pesticides, & Toxics Management Division, U.S.EPA, Region 4
Kay Prince, Chief, Air Planning Branch, U.S.EPA, Region 4

List of Potential Control Measures for Evaluation in DeSoto County and Memphis MSA Modeling

Potential Control Measure Descriptor-Stationary Source Measures	Implemented in 2 Years?	Regulation Change Req'd?	Possible Change in Law/Stat. Req'd?	Estimated Emissions Reduction (Tons/Day)
VOC RACT for Major Sources (By 2007)	No	Yes	No	0.35 VOC includes early reductions
Early Implementation of VOC RACT for Major Sources (By 2005)	Yes	Yes	Yes	0.35 VOC
NOx RACT for Major Sources (By 2007)	No	Yes	No	0.7 NOx includes early reductions
Early NOx Reductions for Major Sources (By 2005)	Yes	Yes	Yes	0.45 NOx
NOx RACT for Major Sources in Adjoining Counties (By 2007)	No	Yes	No	3.64 NOx includes early reductions
Early NOx Reductions for Major Sources in Adjoining Counties (By 2005)	Yes	Yes	Yes	2.0 NOx
Changing open burning regulations to prohibit open burning on Ozone Action Days	Yes	Yes	Yes	0.35 NOx 0.81 VOC
Stage I Vapor Recovery (By 2007)	No	Yes	No	1.0 VOC
Early Implementation of Stage I Vapor Recovery (By 2005)	Yes	Yes	Yes	1.0 VOC
Potential Control Measure Descriptor-Mobile Source Measures	Implemented in 2 Years?	Regulation Change Req'd?	Possible Change in Law/Stat. Req'd?	Estimated Emissions Reduction (Tons/Day)
Idling Limits (e.g., an Anti-idling law) for diesel engines	Yes	Yes	Yes	0.3 NOx
Cooperate with Memphis on Remote Sensing of Emissions Violators in Mobile Sources	Yes	No	No	0.12 NOx 0.3 VOC
Low RVP Fuels (in cooperation with Memphis—if available)	Yes	Yes	Yes	0.1 VOC
Tier II or Ultra-Low Sulfur Gasoline (in cooperation with Memphis—if available)	Yes	Yes	Yes	5.0% NOx 1.6% VOC
Various Transportation Related Air Quality improvements financed through directed state CMAQ funds to DeSoto County, such as Park & Ridelots, ITS Enhancements and Signalization Systems	No	No	No	0.011 NOx (signal) 0.01 VOC (signal) 0.047 NOx (ridelots)
Development of the more strategic pedestrian and biking programs in DeSoto County that would “connect” Memphis-area biking and pedestrian paths for contiguous travel (assume: 1000 bikers)	No	No	No	0.01 NOx(bike) 0.002 NOx(walk)
Continuation of the High Occupancy Vehicle (HOV) Lanes on I-55 from the Tennessee state line south to the Goodman Road exit in Mississippi (2 lanes –northbound and southbound)	No	No	Yes	0.02 NOx 0.03 VOC
Potential Control Measure Descriptor-Voluntary Measures	Implemented in 2 Years?	Regulation Change Req'd?	Possible Change in Law/Stat. Req'd?	Estimated Emissions Reduction (Tons/Day)
Ozone Action Days	Yes	No	No	3% Claimed for All Voluntary Measures
Stationary Source Voluntary Measures on Ozone Action Days	Yes	No	No	
MDOT/County Road Reductions on Ozone Action Days (e.g., delay of lawn maintenance activities, open burning, et cetera)	Yes	No	No	
Voluntary Program for Limiting Idling-Time of Diesel Engine Fleets and Distribution Centers	Yes	No	No	
Rideshare program	Yes	No	No	